

ABSTRACT OF THE DISCLOSURE

The subject invention provides a composite comprising stabilized conductive nanoparticles dispersed within a polymer matrix. The dielectric constant of the composites is advantageously high, exceeding that predicted by the rule of mixtures. The subject
5 invention further provides a film comprising such composites. Such films will enjoy applicability in electronics applications. The subject invention additionally provides a thin film organic transistor comprising the inventive composite. The subject invention further provides processes for stabilizing conductive nanoparticles.